STIC Search Report
Biotech-Chem Library

USPTO

STIC Database Tracking Number: 144888

TO: Hector Reyes
Location: REM/4A68/4C70
Art Unit: 1625
Wednesday, February 16, 2005

Case Serial Number: 10/630872

From: Toby Port
Location: Biotech-Chem Library
REM-1A59
Phone: 571-272-2523

toby.port@uspto.gov

Search Notes

Examiner Reyes,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Toby Port

[signature: Reyes]

sira
Search and Information
Resources Administration

STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

**Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507**

Voluntary Results Feedback Form

➢ *I am an examiner in Workgroup:* [   ]   *Example: 1610*

➢ *Relevant prior art **found**, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

➢ *Relevant prior art **not found**:*

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

sira
Search and Information

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: *Hector Peyo*   Examiner #: *78264* Date: *2/10/05*

Art Unit: *1025*   Phone Number 3_____   Serial Number: *10/630872*

Mail Box and Bldg/Room Location: _____   Results Format Preferred (circle): PAPER DISK E-MAIL

4A 68   4C70

If more than one search is submitted, please prioritize searches in order of need.
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: *See Bih's Copy*

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search compound claim

16, only

****

STAFF USE ONLY   Type of Search   Vendors and cost where applicable

Searcher: _____   NA Sequence (#)_____   STN _____

Scarcher Phone #:   AA Sequence (#)   Dialog

=> file reg; d que 118; d que 120; d que 129; d que 131
FILE 'REGISTRY' ENTERED AT 15:26:33 ON 16 FEB 2005
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provided by InfoChem.

STRUCTURE FILE UPDATES: 15 FEB 2005   HIGHEST RN 831913-30-5
DICTIONARY FILE UPDATES: 15 FEB 2005   HIGHEST RN 831913-30-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

Note: L4 = registry numbers from the applicants work

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L31         80 SEA FILE=REGISTRY ABB=ON  PLU=ON  L11 AND NR>1
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                                               number of rings ? l
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FILE COVERS 1907 - 16 Feb 2005   VOL 142 ISS 8
FILE LAST UPDATED: 15 Feb 2005   (20050215/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s 131 or 118 or 120 or 129
            1 L31
            1 L18
            1 L20
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L34   1 L31 OR L18 OR L20 OR L29

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L34 ANSWER 1 OF 1   HCAPLUS   COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:640543 HCAPLUS
DOCUMENT NUMBER: 131:271703
TITLE: Preparation of bicyclic aromatic compounds and their
                         use in cosmetic or dermatological compositions
INVENTOR(S):   Bernardon, Jean-Michel
PATENT ASSIGNEE(S):   Galderma Research and Development, S.N.C., Fr.
SOURCE: Eur. Pat. Appl., 49 pp.
                         CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

    PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
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    EP 947496   A1   19991006   EP 1999-400597   19990311
    EP 947496   B1   20021009
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    FR 2776657   A1   19991001   FR 1998-3976   19980331
    FR 2776657   B1   20000526
    AU 9918584   A1   19991014   AU 1999-18584   19990305
    AU 724896   B2   20001005
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    ZA 9901974   A   19990927   ZA 1999-1974   19990311
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    US 6632963   B1   20031014   US 1999-277953   19990329
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    CN 1241558   A   20000119   CN 1999-105929   19990330
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    CN 1346828   A   20020501   CN 2001-140851   20010919
    US 2004092594   A1   20040513   US 2003-630872   20030731
PRIORITY APPLN. INFO.:   FR 1998-3976   A   19980331
                                           US 1999-277953   A3 19990329

OTHER SOURCE(S):   MARPAT 131:271703
AB   Ar1Ar2XR1 [I; R1 = Me, CH2OR2, COR3; Ar1 = = substituted Ph; Ar2 =
     substituted Ph, pyridyl, furyl, thienyl, pyrrolyl; X = R14C:CR15,
     C.tplbond.C, C(Y)CH:CH, etc.] were prepared E.g., 3-(3',5'-di-tert-butyl-2'-
     methoxybiphenyl)acrylic acid was prepared RXR binding and RXRα
     agonist and antagonist activities of I were determined
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     245433-54-9P 245433-55-0P 245433-56-1P
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     245434-12-2P 245434-13-3P
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     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
         (preparation of bicyclic aromatic compds. and their use in cosmetic or
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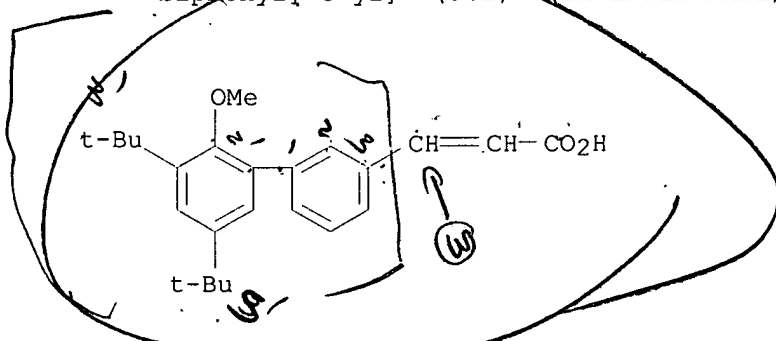
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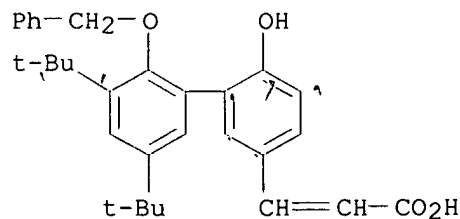
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    t-Bu

    t-Bu   CH═CH—CO2H
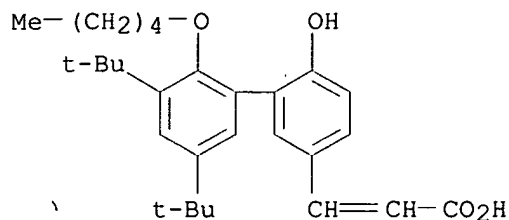
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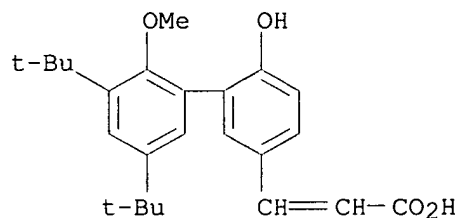
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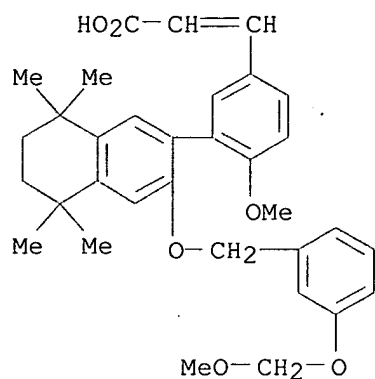   tetramethyl-3-(phenylmethoxy)-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX
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                      O—CH2—Ph
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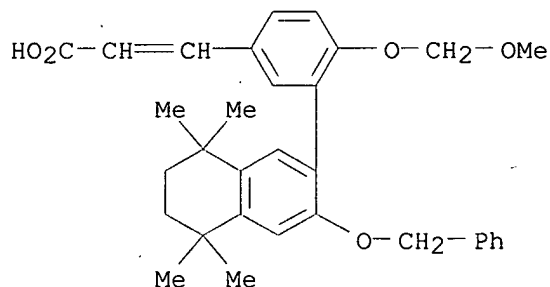
RN   245433-56-1   HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      (phenylmethoxy)-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)
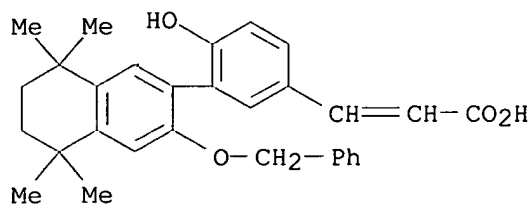
RN   245433-57-2   HCAPLUS
CN   2-Propynoic acid, 3-[4-(methoxymethoxy)-3-(5,6,7,8-tetrahydro-3,5,5,8,8-
      pentamethyl-2-naphthalenyl)phenyl]- (9CI)   (CA INDEX NAME)
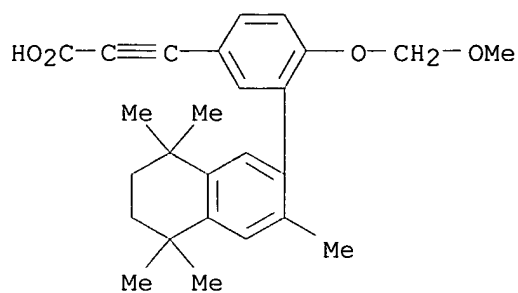
RN   245433-58-3   HCAPLUS
CN   2-Propenoic acid, 3-[4-(methoxymethoxy)-3-(5,6,7,8-tetrahydro-5,5,·8,8-
      tetramethyl-3-propoxy-2-naphthalenyl)phenyl]- (9CI)   (CA INDEX NAME)
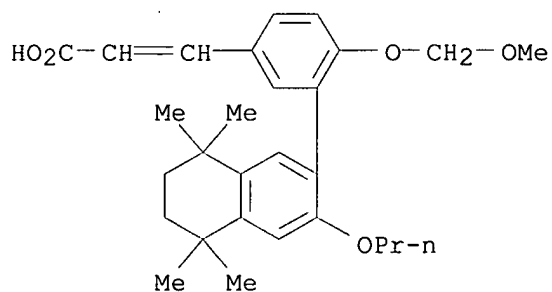
RN   245433-59-4   HCAPLUS
CN   2-Propenoic acid, 3-[4-(methoxymethoxy)-3-[5,6,7,8-tetrahydro-5,5,8,8-
      tetramethyl-3-(pentyloxy)-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)

$HO_2C-CH=CH-$ [benzene ring] $-O-CH_2-OMe$

Me   Me

[fused bicyclic ring system with Me Me substituents]

Me   Me

$O-(CH_2)_4-Me$
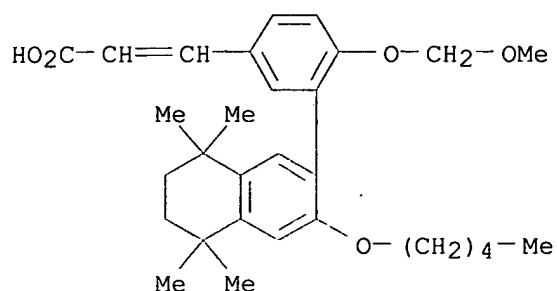
RN   245433-60-7   HCAPLUS
CN   2-Propenoic acid, 3-(4'-methoxy-2'-methyl-5'-tricyclo[3.3.1.13,7]dec-1-
      yl[1,1'-biphenyl]-3-yl)- (9CI) (CA INDEX NAME)

Me   OMe

HO_2C [propenoic chain with biphenyl and adamantyl system]
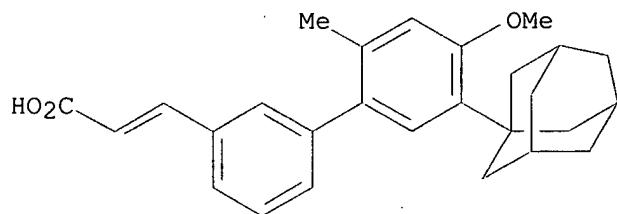
RN   245433-61-8   HCAPLUS
CN   2-Propenoic acid, 3-(6-hydroxy-4'-methoxy-2'-methyl-5'-
      tricyclo[3.3.1.13,7]dec-1-yl[1,1'-biphenyl]-3-yl)- (9CI) (CA INDEX NAME)

OH

[biphenyl with adamantyl, Me and OMe substituents]

Me   OMe

$CH=CH-CO_2H$
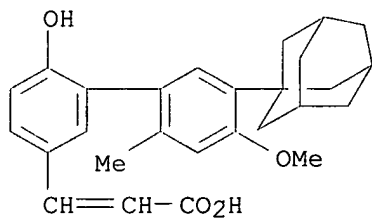
RN   245433-62-9   HCAPLUS
CN   2-Propenoic acid, 3-[4'-methoxy-6-(methoxymethoxy)-2'-methyl-5'-
      tricyclo[3.3.1.13,7]dec-1-yl[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)

$CH=CH-CO_2H$

Me   OMe

[biphenyl with adamantyl system]
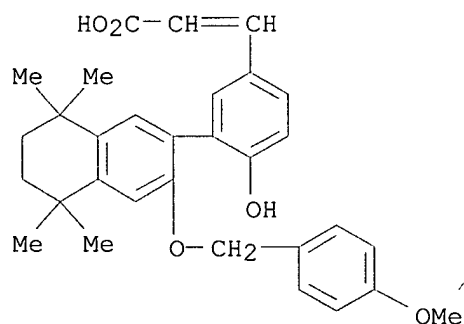
$O-CH_2-OMe$
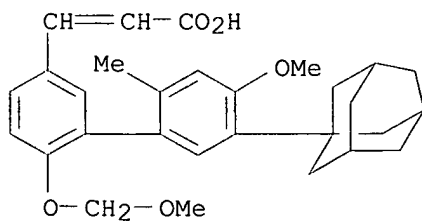
RN   245433-63-0   HCAPLUS

CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(3-
      methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)
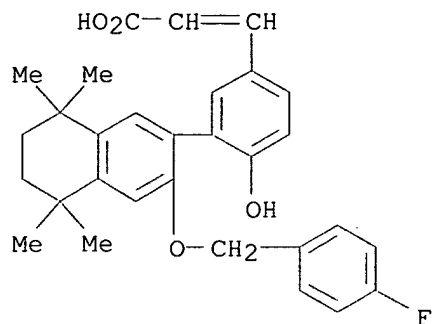   (CA INDEX NAME)
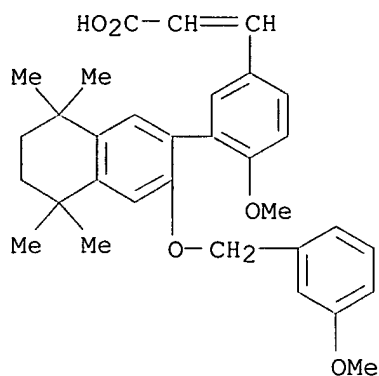
RN   245433-64-1 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(4-
      methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)
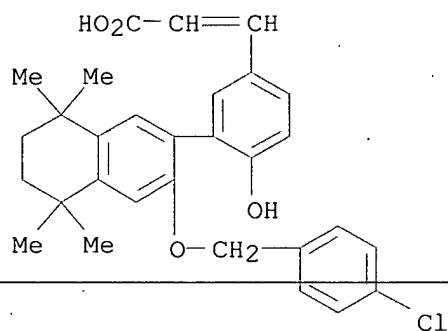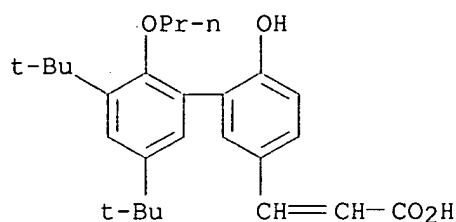   (CA INDEX NAME)
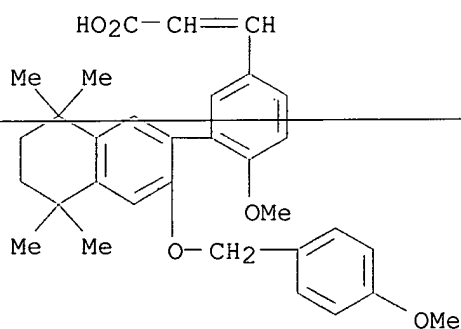
RN   245433-65-2 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(6-
      hydroxyhexyl)oxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI) (CA
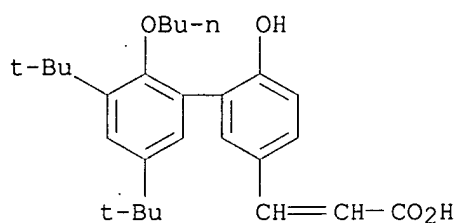   INDEX NAME)
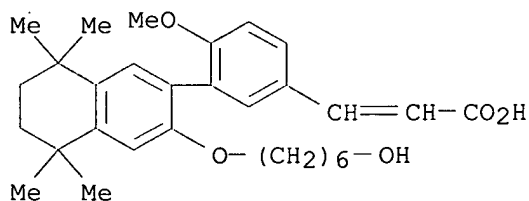
RN   245433-66-3 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(7-
      hydroxyheptyl)oxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI) (CA
      INDEX NAME)
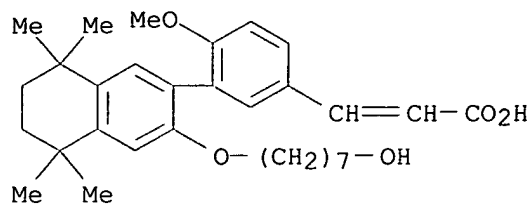
RN   245433-67-4   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(5-
      hydroxypentyl)oxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)   (CA
      INDEX NAME)
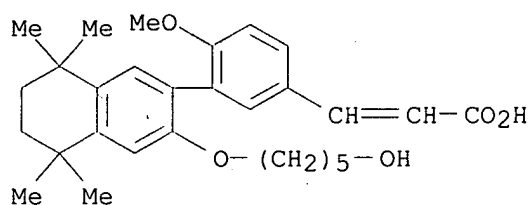
RN   245433-68-5   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-(3-hydroxypropoxy)-
      5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)
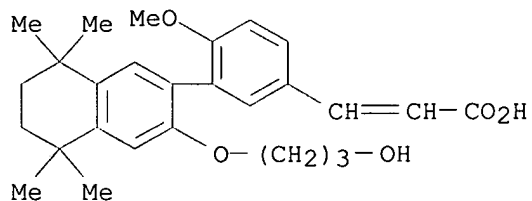
RN   245433-69-6   HCAPLUS
CN   2-Propenoic acid, 3-[3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-1-
      (phenylmethoxy)-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)

R = (structure)

Me Me O—CH2—Ph

Me Me

R—(phenyl)—CH=CH—CO2H
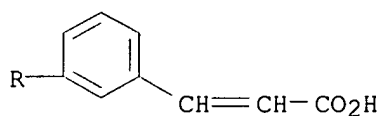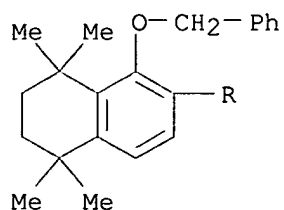
RN   245433-74-3   HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(6-amino-6-oxohexyl)oxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-methoxyphenyl]- (9CI)   (CA INDEX
      NAME)

HO2C—CH=CH—(phenyl)—OMe

Me   Me

Me   Me

O—(CH2)5—C—NH2
         ‖
         O
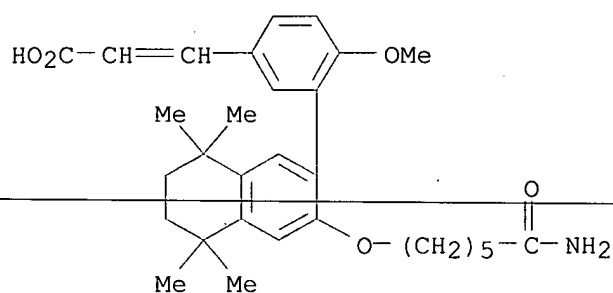
RN   245433-75-4   HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(8-amino-8-oxooctyl)oxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-methoxyphenyl]- (9CI)   (CA INDEX
      NAME)

HO2C—CH=CH—(phenyl)—OMe

Me   Me

Me   Me

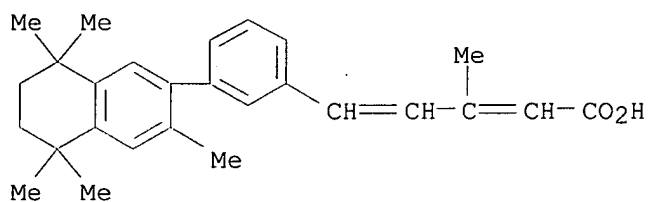O—(CH2)7—C—NH2
         ‖
         O
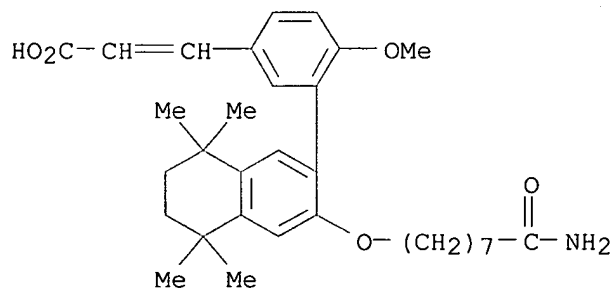
RN   245433-76-5   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      [2-(4-morpholinyl)ethoxy]-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)
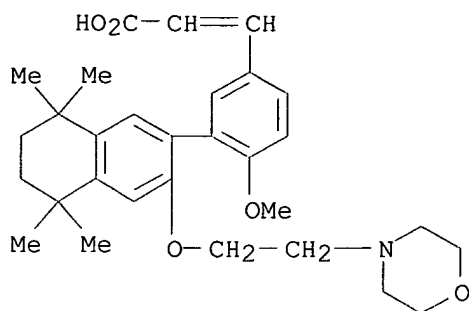
RN   245433-77-6   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
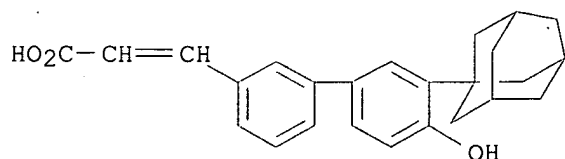   [2-(1-piperidinyl)ethoxy]-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)
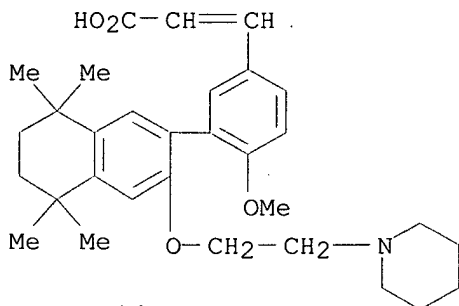
RN   245433-78-7   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[[2-
        (methoxymethoxy)phenyl]methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-
        (9CI)   (CA INDEX NAME)
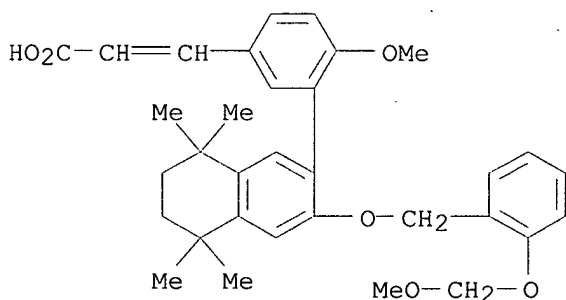
RN   245433-79-8   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[[3-
        (methoxymethoxy)phenyl]methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-
        (9CI)   (CA INDEX NAME)

HO$_2$C—CH=CH

Me   Me

Me   Me   O—CH$_2$

OMe

MeO—CH$_2$—O

RN   245433-80-1 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[[4-
      (methoxymethoxy)phenyl]methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-
      (9CI) (CA INDEX NAME)

HO$_2$C—CH=CH

Me   Me

Me   Me   O—CH$_2$

OMe

O—CH$_2$—OMe
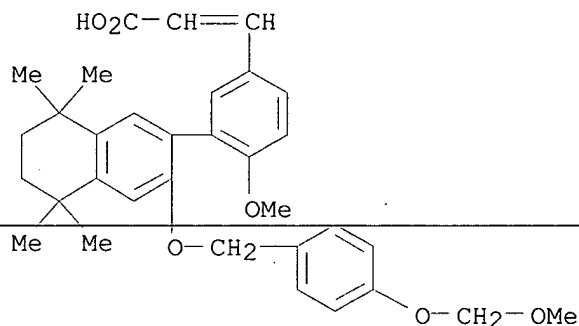
RN   245433-81-2 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(3-
      hydroxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)
      (CA INDEX NAME)

HO$_2$C—CH=CH

Me   Me

Me   Me   O—CH$_2$

OMe

OH
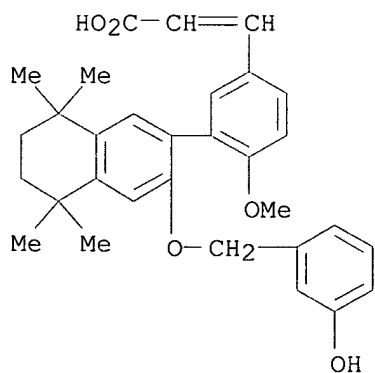
RN   245433-82-3 HCAPLUS
CN   2-Propenoic acid, 3-[4-fluoro-3-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-

2-naphthalenyl)phenyl]- (9CI)   (CA INDEX NAME)

Me   Me   F
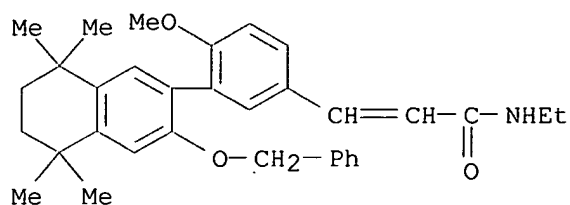
CH=CH—CO2H

Me

Me   Me
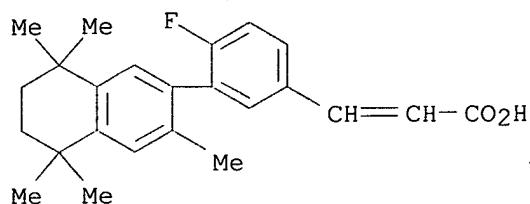
RN   245433-83-4   HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-3-[(3-
      methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)
      (CA INDEX NAME)

HO2C—CH=CH

Me   Me

OH

Me   Me   O—CH2

OMe
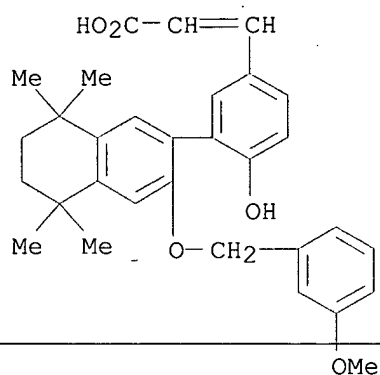
RN   245433-84-5   HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-3-[(4-
      methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)
      (CA INDEX NAME)

HO2C—CH=CH

Me   Me

OH

Me   Me   O—CH2

OMe

RN   245433-85-6   HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(4-fluorophenyl)methoxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-hydroxyphenyl]- (9CI)   (CA INDEX
      NAME)

RN   245433-86-7   HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(4-chlorophenyl)methoxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-hydroxyphenyl]- (9CI)   (CA INDEX
      NAME)

RN   245433-87-8   HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-3-(methoxymethoxy)-
      5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX NAME)
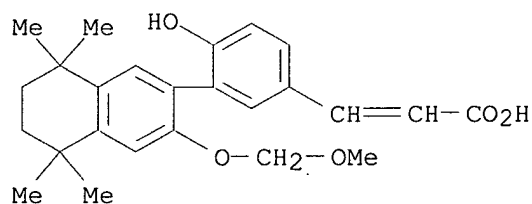
RN   245433-88-9   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-hydroxy-2'-
      propoxy[1,1'-biphenyl]-3-yl]- (9CI)   (CA INDEX NAME)

RN   245433-89-0   HCAPLUS
CN   2-Propenoic acid, 3-[2'-butoxy-3',5'-bis(1,1-dimethylethyl)-6-hydroxy[1,1'-
      biphenyl]-3-yl]- (9CI)   (CA INDEX NAME)

RN   245433-90-3   HCAPLUS
CN   2-Propenoic acid, 3-[2'-butoxy-3',5'-bis(1,1-dimethylethyl)-6-methoxy[1,1'-
      biphenyl]-3-yl]- (9CI)   (CA INDEX NAME)
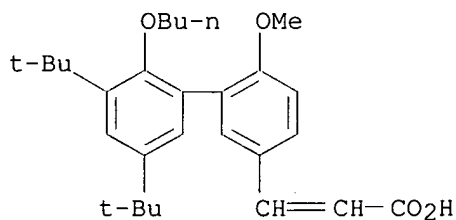
RN   245433-91-4   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-methoxy-2'-
      propoxy[1,1'-biphenyl]-3-yl]- (9CI)   (CA INDEX NAME)
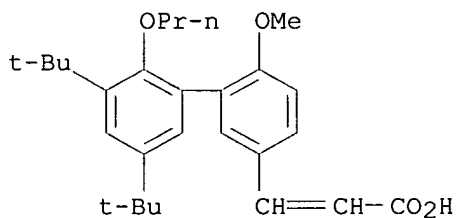
RN   245433-92-5   HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-4-
      propoxy-2-naphthalenyl)phenyl]- (9CI)   (CA INDEX NAME)
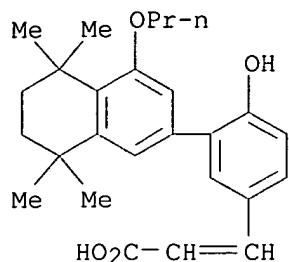
RN   245433-93-6 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      (phenylmethoxy)-2-naphthalenyl]phenyl]- (9CI) (CA INDEX NAME)
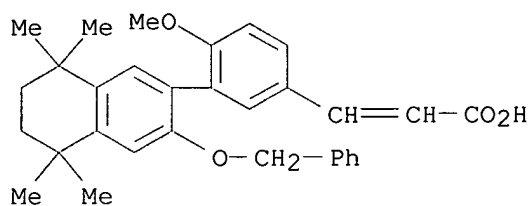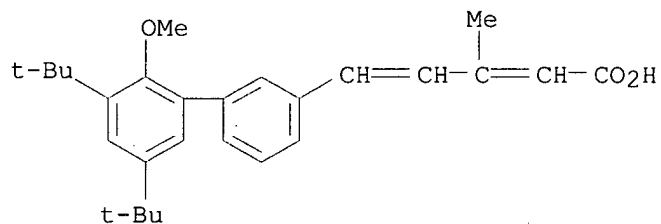
RN   245433-94-7 HCAPLUS
CN   2,4-Pentadienoic acid, 3-methyl-5-[3-(5,6,7,8-tetrahydro-3,5,5,8,8-
   pentamethyl-2-naphthalenyl)phenyl]- (9CI) (CA INDEX NAME)

RN   245433-95-8 HCAPLUS
CN   2-Propenoic acid, 3-(4'-hydroxy-3'-tricyclo[3.3.1.1³,⁷]dec-1-yl[1,1'-
      biphenyl]-3-yl)- (9CI) (CA INDEX NAME)

RN   245433-96-9 HCAPLUS
CN   2,4-Pentadienoic acid, 5-[4-methoxy-3-(5,6,7,8-tetrahydro-5,5,8,8-
      tetramethyl-2-naphthalenyl)phenyl]-3-methyl- (9CI) (CA INDEX NAME)
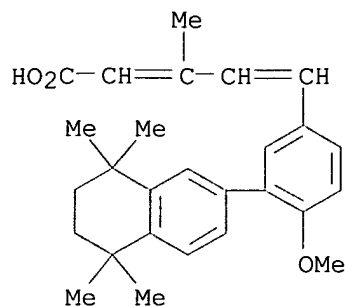
RN   245433-97-0   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[4-(methoxymethoxy)-3-(5,6,7,8-tetrahydro-5,5,8,8-
      tetramethyl-2-naphthalenyl)phenyl]-3-methyl- (9CI)   (CA INDEX NAME)
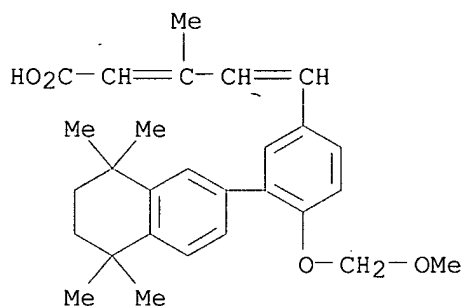
RN   245433-98-1   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[4-hydroxy-3-(5,6,7,8-tetrahydro-5,5,8,8-
      tetramethyl-2-naphthalenyl)phenyl]-3-methyl- (9CI)   (CA INDEX NAME)
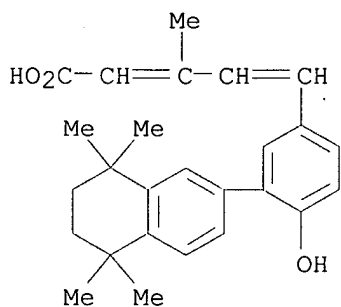
RN   245434-01-9   HCAPLUS
CN   2-Propenamide, N-ethyl-3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-
      tetramethyl-3-(phenylmethoxy)-2-naphthalenyl]phenyl]- (9CI)   (CA INDEX
      NAME)

RN   245434-03-1   HCAPLUS
CN   2-Propenamide, N-(4-hydroxyphenyl)-3-[4-methoxy-3-[5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-3-(phenylmethoxy)-2-naphthalenyl]phenyl]- (9CI)   (CA
      INDEX NAME)
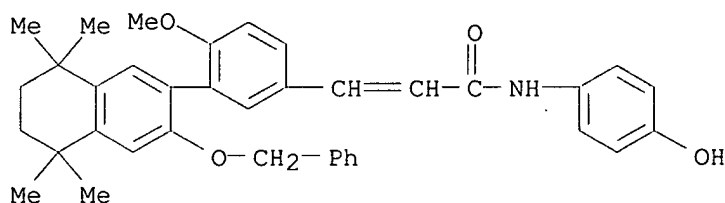
RN   245434-04-2   HCAPLUS
CN   2,4-Pentadienoic acid, 5-(4'-methoxy-2'-methyl-5'-tricyclo[3.3.1.13,7]dec-
      1-yl[1,1'-biphenyl]-3-yl)-3-methyl- (9CI)   (CA INDEX NAME)
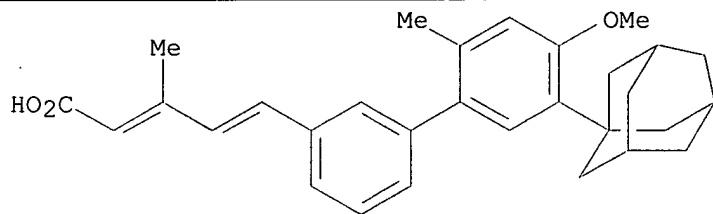
RN   245434-05-3   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[4-(methoxymethoxy)-3-(5,6,7,8-tetrahydro-
      3,5,5,8,8-pentamethyl-2-naphthalenyl)phenyl]-3-methyl- (9CI)   (CA INDEX
      NAME)
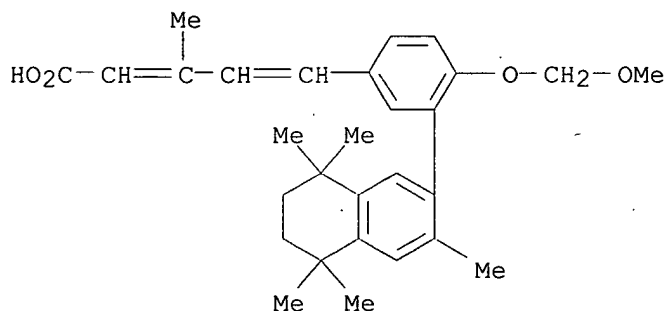
RN   245434-06-4   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[4-hydroxy-3-(5,6,7,8-tetrahydro-3,5,5,8,8-
      pentamethyl-2-naphthalenyl)phenyl]-3-methyl- (9CI)   (CA INDEX NAME)
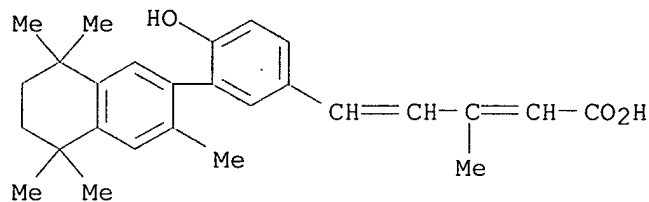
RN   245434-07-5   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[3-(5,6,7,8-tetrahydro-3,5,5,8,8-pentamethyl-2-
      naphthalenyl)phenyl]- (9CI)   (CA INDEX NAME)
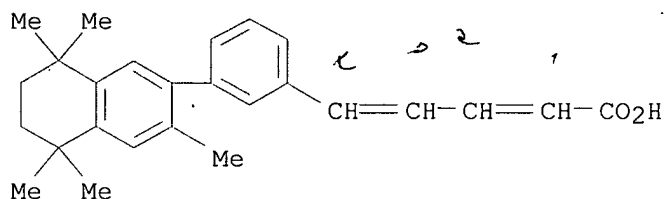
RN   245434-08-6   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[3',5'-bis(1,1-dimethylethyl)-2'-methoxy[1,1'-
      biphenyl]-3-yl]-3-methyl- (9CI)   (CA INDEX NAME)

RN   245434-09-7   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[3',5'-bis(1,1-dimethylethyl)-2'-propoxy[1,1'-
      biphenyl]-3-yl]-3-methyl- (9CI)   (CA INDEX NAME)

t-Bu ... R ... OPr-n ... t-Bu

$CH=CH-\underset{\underset{Me}{|}}{C}=CH-CO_2H$ ... R
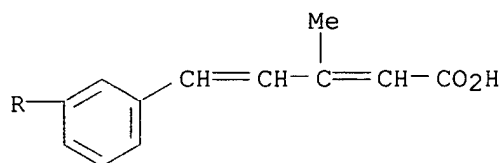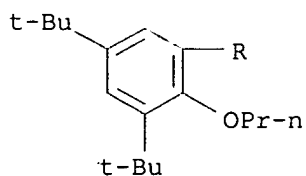
RN   245434-10-0 HCAPLUS
CN   2,4-Pentadienoic acid, 5-[2'-butoxy-3',5'-bis(1,1-dimethylethyl)[1,1'-
      biphenyl]-3-yl]-3-methyl- (9CI)   (CA INDEX NAME)

t-Bu ... R ... OBu-n ... t-Bu

$CH=CH-\underset{\underset{Me}{|}}{C}=CH-CO_2H$ ... R
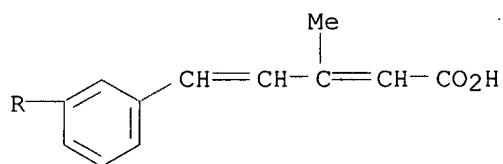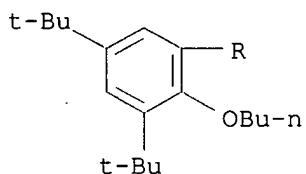
RN   245434-11-1 HCAPLUS
CN   2,4-Pentadienoic acid, 5-[2'-butoxy-3',5'-bis(1,1-dimethylethyl)-6-
      hydroxy[1,1'-biphenyl]-3-yl]-3-methyl- (9CI)   (CA INDEX NAME)

OBu-n   OH ... t-Bu ... t-Bu ... $CH=CH-\underset{\underset{Me}{|}}{C}=CH-CO_2H$
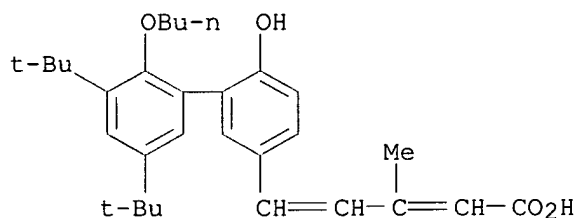
RN   245434-12-2 HCAPLUS
CN   2,4-Pentadienoic acid, 5-[3',5'-bis(1,1-dimethylethyl)-6-hydroxy-2'-
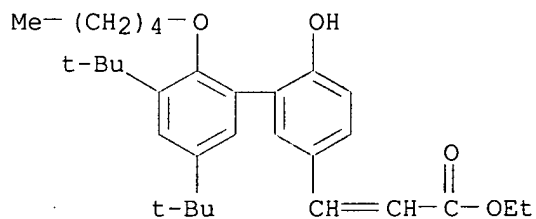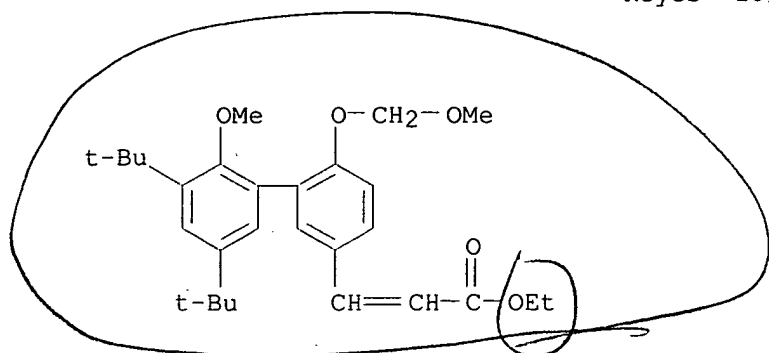   propoxy[1,1'-biphenyl]-3-yl]-3-methyl- (9CI)   (CA INDEX NAME)

OPr-n   OH

t-Bu

t-Bu   CH=CH—C=CH-CO2H

Me
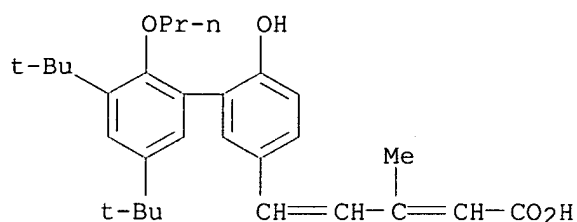
RN   245434-13-3   HCAPLUS
CN   2,4-Pentadienoic acid, 5-[3',5'-bis(1,1-dimethylethyl)-6-hydroxy-2'-
      methoxy[1,1'-biphenyl]-3-yl]-3-methyl- (9CI)   (CA INDEX NAME)

OMe   OH

t-Bu

t-Bu   CH=CH—C=CH-CO2H

Me
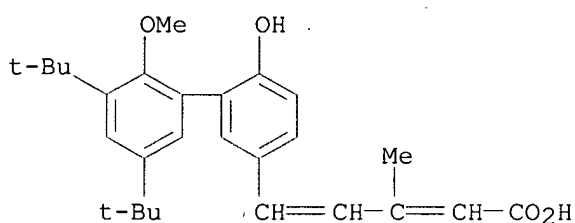
IT   245434-19-9P 245434-20-2P 245434-23-5P
      245434-25-7P 245434-27-9P 245434-29-1P
      245434-33-7P 245434-35-9P 245434-41-7P
      245434-43-9P 245434-48-4P 245434-58-6P
      245434-59-7P 245434-62-2P 245434-63-3P
      245434-64-4P 245434-65-5P 245434-66-6P
      245434-67-7P 245434-68-8P 245434-69-9P
      245434-72-4P 245434-73-5P 245434-74-6P
      245434-82-6P 245434-84-8P 245434-86-0P
      245434-87-1P 245434-88-2P 245434-90-6P
      245434-93-9P 245434-94-0P 245434-97-3P
      245435-00-1P 245435-03-4P 245435-06-7P
      245435-07-8P 245435-10-3P 245435-13-6P
      245435-14-7P 245435-15-8P 245435-18-1P
      245435-19-2P 245435-21-6P
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
          (preparation of bicyclic aromatic compds. and their use in cosmetic or
          dermatol. compns.)
RN   245434-19-9   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-(methoxymethoxy)-2'-
      (phenylmethoxy)[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)

Ph—CH2—O   O—CH2—OMe
t-Bu

t-Bu   CH=CH—C—OEt

O
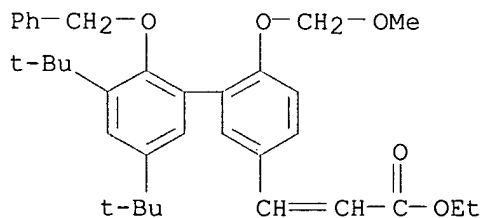
RN   245434-20-2   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-hydroxy-2'-
      (phenylmethoxy)[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)

Ph—CH₂—O   OH
t-Bu

t-Bu   CH═CH—C—OEt
                    ‖
                    O
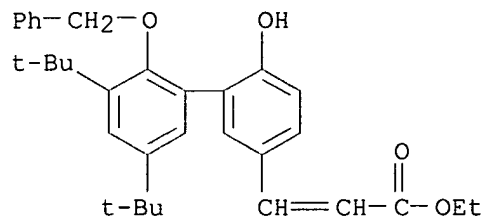
RN   245434-23-5   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-(methoxymethoxy)-2'-
      (pentyloxy)[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)

Me—(CH₂)₄—O   O—CH₂—OMe
   t-Bu

   t-Bu   CH═CH—C—OEt
                       ‖
                       O
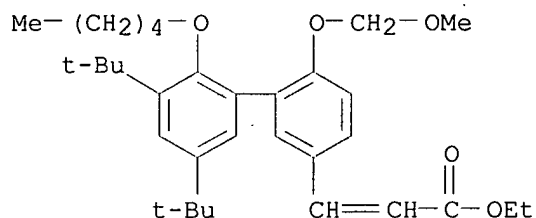
RN   245434-25-7   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-hydroxy-2'-
      (pentyloxy)[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME).

Me—(CH₂)₄—O   OH
   t-Bu

   t-Bu   CH═CH—C—OEt
                       ‖
                       O

RN   245434-27-9   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-2'-methoxy-6-
      (methoxymethoxy)[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)

RN   245434-29-1 HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-hydroxy-2'-
      methoxy[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)
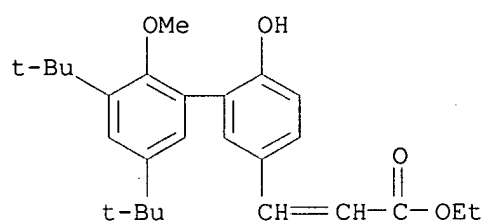
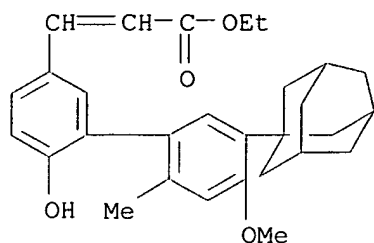RN   245434-33-7 HCAPLUS
CN   2-Propenoic acid, 3-[4-(methoxymethoxy)-3-[5,6,7,8-tetrahydro-5,5,8,8-
      tetramethyl-3-(phenylmethoxy)-2-naphthalenyl]phenyl]-, ethyl ester (9CI)
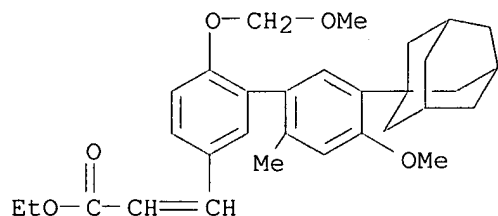   (CA INDEX NAME)
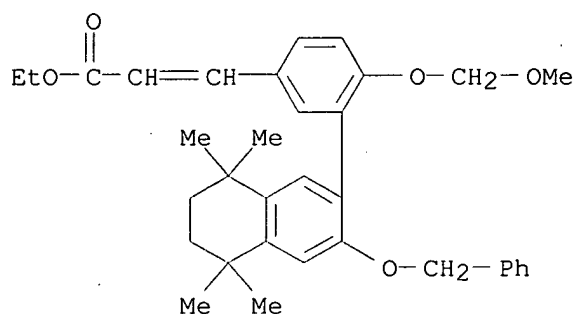
RN   245434-35-9 HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      (phenylmethoxy)-2-naphthalenyl]phenyl]-, ethyl ester (9CI)   (CA INDEX
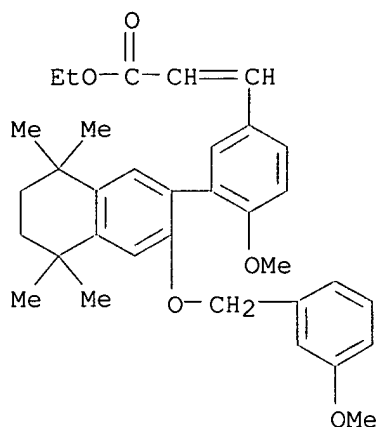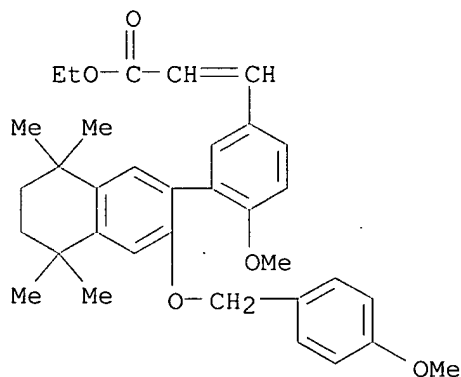   NAME)
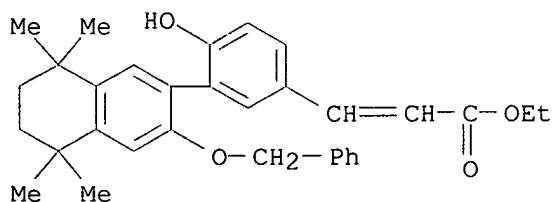
RN 245434-41-7 HCAPLUS
CN 2-Propynoic acid, 3-[4-(methoxymethoxy)-3-(5,6,7,8-tetrahydro-3,5,5,8,8-
pentamethyl-2-naphthalenyl)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)
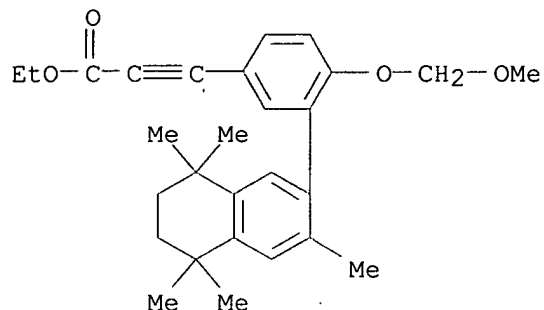
RN 245434-43-9 HCAPLUS
CN 2-Propynoic acid, 3-[4-(methoxymethoxy)-3-(5,6,7,8-tetrahydro-5,5,8,8-
tetramethyl-3-propoxy-2-naphthalenyl)phenyl]-, ethyl ester (9CI) (CA
INDEX NAME)
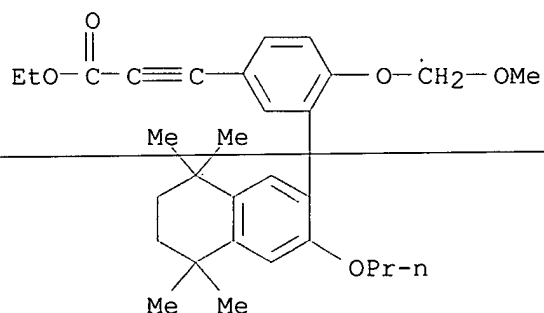
RN 245434-48-4 HCAPLUS
CN 2-Propenoic acid, 3-[4-(methoxymethoxy)-3-[5,6,7,8-tetrahydro-5,5,8,8-
tetramethyl-3-(pentyloxy)-2-naphthalenyl]phenyl]-, ethyl ester (9CI) (CA
INDEX NAME)
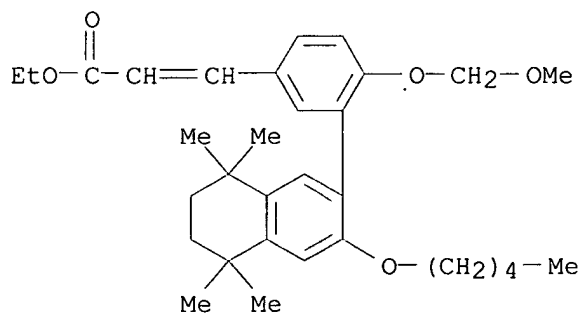
RN 245434-58-6 HCAPLUS
CN 2-Propenoic acid, 3-(6-hydroxy-4'-methoxy-2'-methyl-5'-

tricyclo[3.3.1.13,7]dec-1-yl[1,1'-biphenyl]-3-yl)-, ethyl ester (9CI)   (CA
INDEX NAME)

RN   245434-59-7   HCAPLUS
CN   2-Propenoic acid, 3-[4'-methoxy-6-(methoxymethoxy)-2'-methyl-5'-
        tricyclo[3.3.1.13,7]dec-1-yl[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA
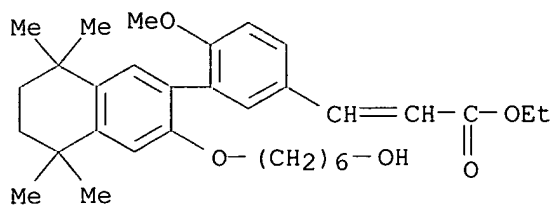   INDEX NAME)

RN   245434-62-2   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-(methoxymethoxy)-
        5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl ester (9CI)   (CA INDEX
        NAME)
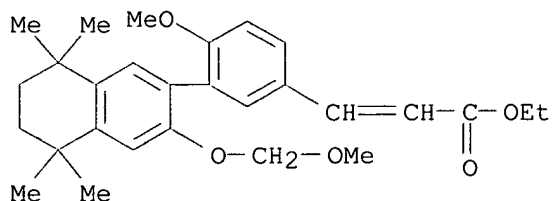
RN   245434-63-3   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-(5,6,7,8-tetrahydro-3-hydroxy-5,5,8,8-
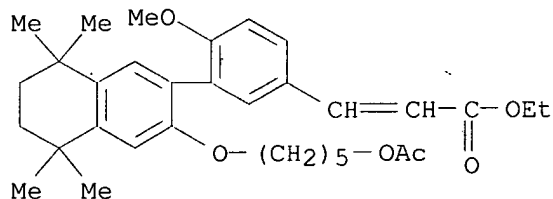   tetramethyl-2-naphthalenyl)phenyl]-, ethyl ester (9CI)   (CA INDEX NAME)
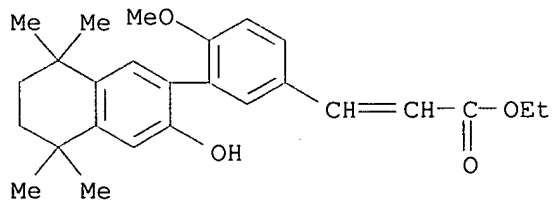
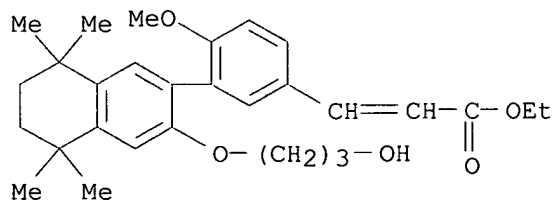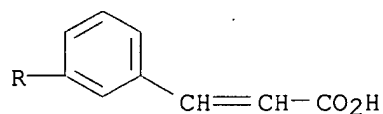RN   245434-64-4   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(3-
       methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl
       ester (9CI)   (CA INDEX NAME)

RN   245434-65-5   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(4-
       methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl
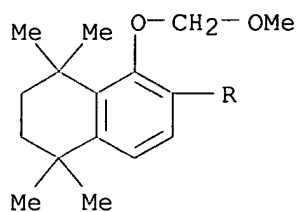   ester (9CI)   (CA INDEX NAME)

RN   245434-66-6   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(6-
       hydroxyhexyl)oxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl ester
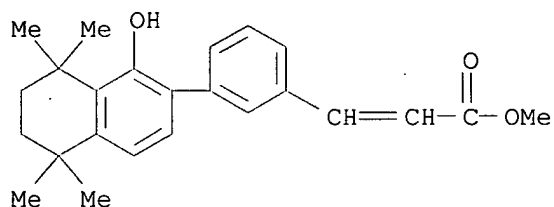   (9CI)   (CA INDEX NAME)

Me   Me MeO

CH=CH—C—OEt

O—(CH2)6—OH   O

Me   Me

RN   245434-67-7 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(7-
     hydroxyheptyl)oxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl
     ester (9CI) (CA INDEX NAME)

Me   Me MeO

CH=CH—C—OEt

O—(CH2)7—OH   O

Me   Me
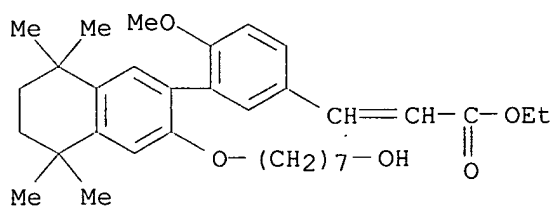
RN   245434-68-8 HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[[5-(acetyloxy)pentyl]oxy]-5,6,7,8-tetrahydro-
     5,5,8,8-tetramethyl-2-naphthalenyl]-4-methoxyphenyl]-, ethyl ester (9CI)
     (CA INDEX NAME)

Me   Me MeO

CH=CH—C—OEt

O—(CH2)5—OAc   O

Me   Me

RN   245434-69-9 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-(3-hydroxypropoxy)-
     5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl ester (9CI) (CA INDEX
     NAME)

Me   Me MeO

CH=CH—C—OEt

O—(CH2)3—OH   O

Me   Me

RN   245434-72-4 HCAPLUS
CN   2-Propenoic acid, 3-[3-[5,6,7,8-tetrahydro-1-(methoxymethoxy)-5,5,8,8-
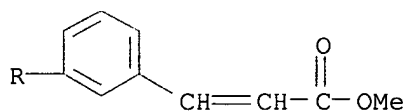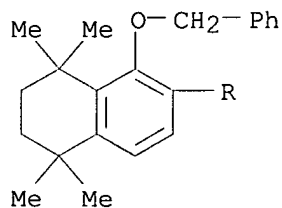   tetramethyl-2-naphthalenyl]phenyl]- (9CI) (CA INDEX NAME)

RN   245434-73-5   HCAPLUS
CN   2-Propenoic acid, 3-[3-(5,6,7,8-tetrahydro-1-hydroxy-5,5,8,8-tetramethyl-2-
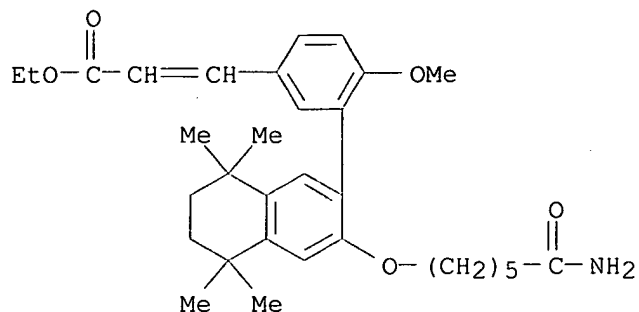   naphthalenyl)phenyl]-, methyl ester (9CI)   (CA INDEX NAME)

RN   245434-74-6   HCAPLUS
CN   2-Propenoic acid, 3-[3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-1-
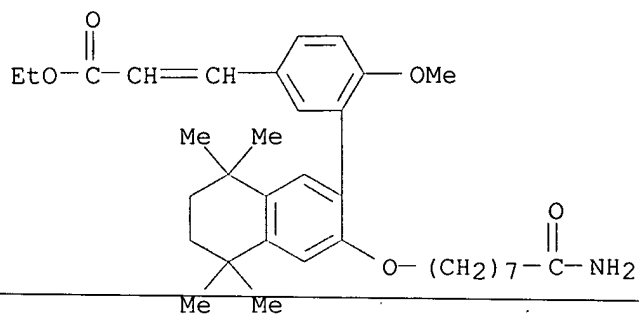   (phenylmethoxy)-2-naphthalenyl]phenyl]-, methyl ester (9CI)   (CA INDEX
      NAME)

RN   245434-82-6   HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(6-amino-6-oxohexyl)oxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-methoxyphenyl]-, ethyl ester (9CI)
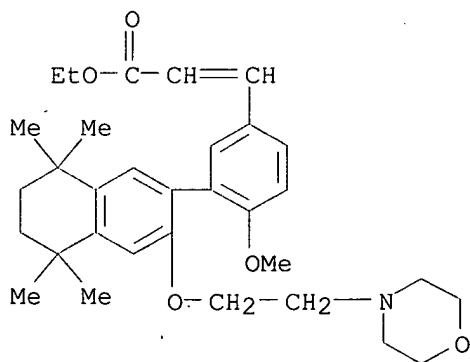   (CA INDEX NAME)

RN   245434-84-8   HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(8-amino-8-oxooctyl)oxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-methoxyphenyl]-, ethyl ester (9CI)
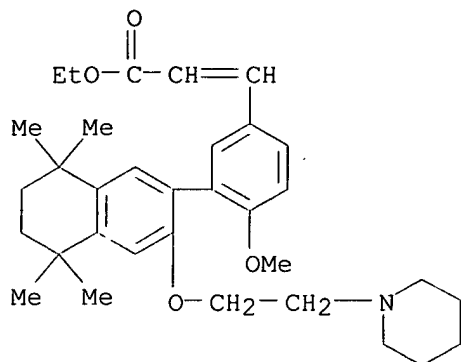   (CA INDEX NAME)

RN   245434-86-0   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      [2-(4-morpholinyl)ethoxy]-2-naphthalenyl]phenyl]-, ethyl ester (9CI)   (CA
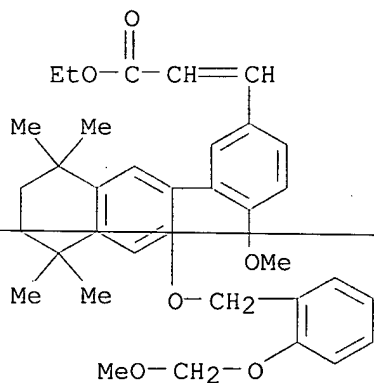   INDEX NAME)

RN   245434-87-1   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      [2-(1-piperidinyl)ethoxy]-2-naphthalenyl]phenyl]-, ethyl ester (9CI)   (CA
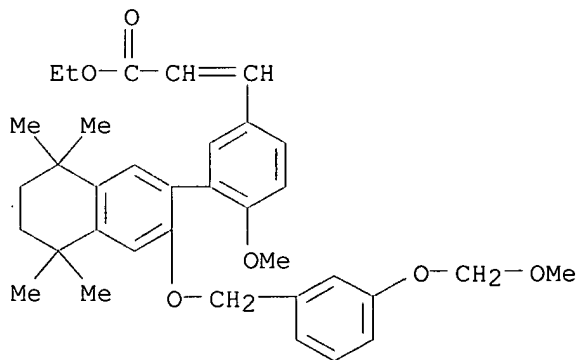   INDEX NAME)

RN   245434-88-2 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[[2-
(methoxymethoxy)phenyl]methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-
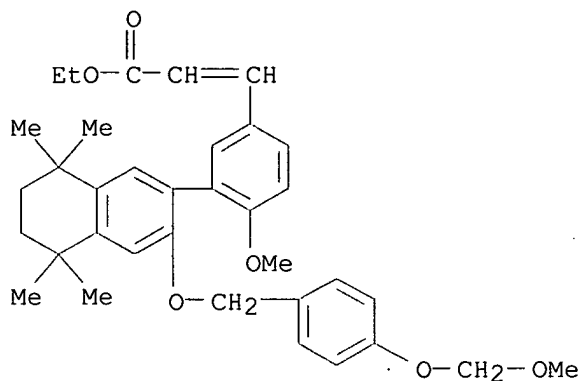, ethyl ester (9CI) (CA INDEX NAME)

RN   245434-90-6 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[[3-
(methoxymethoxy)phenyl]methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-
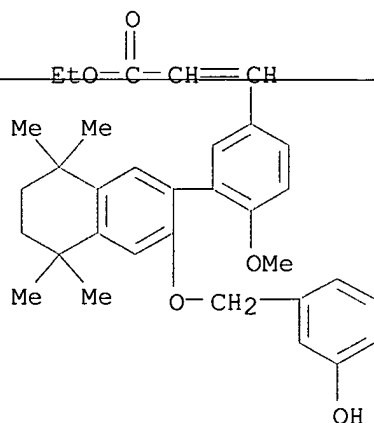, ethyl ester (9CI) (CA INDEX NAME)

RN   245434-93-9 HCAPLUS

CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[[4-
      (methoxymethoxy)phenyl]methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-
      , ethyl ester (9CI)   (CA INDEX NAME)
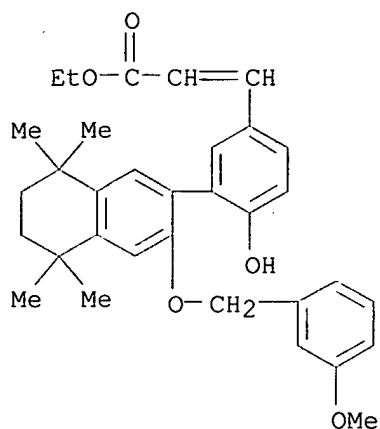

RN   245434-94-0 HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-3-[(3-
      hydroxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl
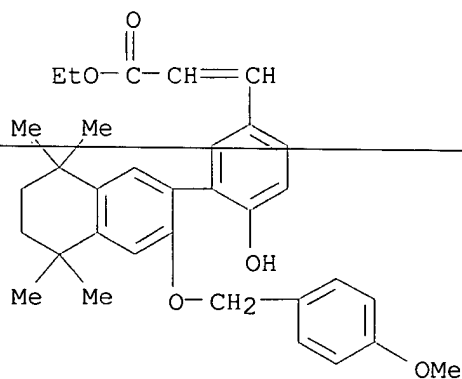   ester (9CI)   (CA INDEX NAME)

RN   245434-97-3 HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-3-[(3-
      methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl
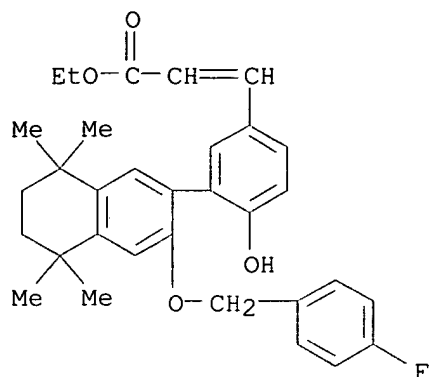   ester (9CI)   (CA INDEX NAME)

RN   245435-00-1 HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-3-[(4-
      methoxyphenyl)methoxy]-5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl
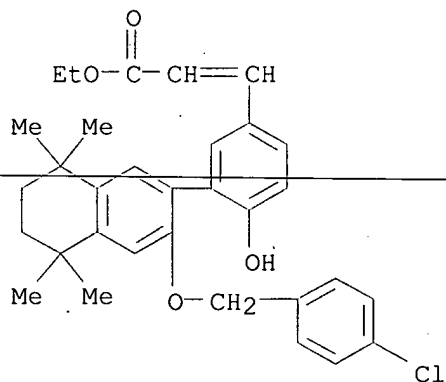   ester (9CI) (CA INDEX NAME)

RN   245435-03-4 HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(4-fluorophenyl)methoxy]-5,6,7,8-tetrahydro-
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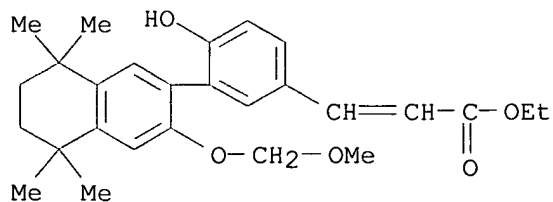   (CA INDEX NAME)

RN   245435-06-7 HCAPLUS
CN   2-Propenoic acid, 3-[3-[3-[(4-chlorophenyl)methoxy]-5,6,7,8-tetrahydro-
      5,5,8,8-tetramethyl-2-naphthalenyl]-4-hydroxyphenyl]-, ethyl ester (9CI)
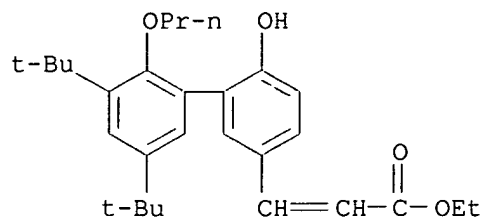   (CA INDEX NAME)

RN   245435-07-8 HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-[5,6,7,8-tetrahydro-3-(methoxymethoxy)-
      5,5,8,8-tetramethyl-2-naphthalenyl]phenyl]-, ethyl ester (9CI) (CA INDEX
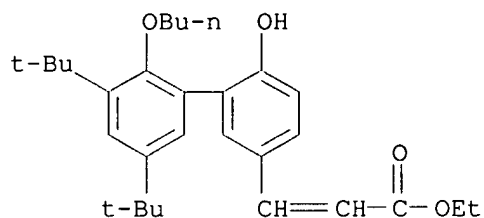   NAME)

RN   245435-10-3 HCAPLUS
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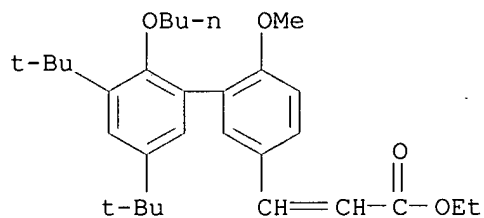   propoxy[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)

RN   245435-13-6   HCAPLUS
CN   2-Propenoic acid, 3-[2'-butoxy-3',5'-bis(1,1-dimethylethyl)-6-hydroxy[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)

RN   245435-14-7   HCAPLUS
CN   2-Propenoic acid, 3-[2'-butoxy-3',5'-bis(1,1-dimethylethyl)-6-methoxy[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)
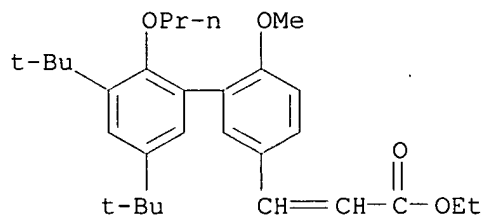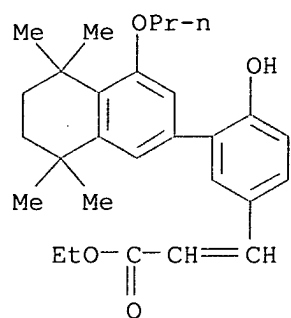

RN   245435-15-8   HCAPLUS
CN   2-Propenoic acid, 3-[3',5'-bis(1,1-dimethylethyl)-6-methoxy-2'-propoxy[1,1'-biphenyl]-3-yl]-, ethyl ester (9CI)   (CA INDEX NAME)
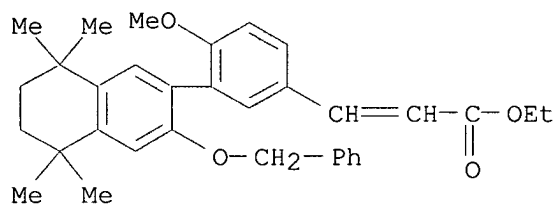

RN   245435-18-1   HCAPLUS
CN   2-Propenoic acid, 3-[4-hydroxy-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-4-propoxy-2-naphthalenyl)phenyl]-, ethyl ester (9CI)   (CA INDEX NAME)
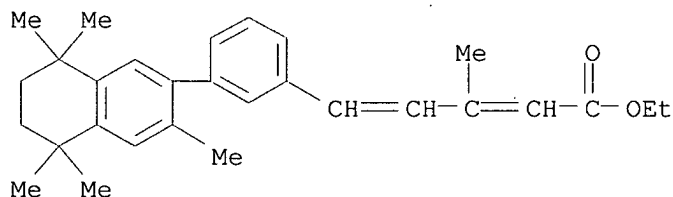
RN   245435-19-2   HCAPLUS
CN   2-Propenoic acid, 3-[4-methoxy-3-[5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-3-
      (phenylmethoxy)-2-naphthalenyl]phenyl]-, ethyl ester (9CI)   (CA INDEX
      NAME)

RN   245435-21-6   HCAPLUS
CN   2,4-Pentadienoic acid, 3-methyl-5-[3-(5,6,7,8-tetrahydro-3,5,5,8,8-
      pentamethyl-2-naphthalenyl)phenyl]-, ethyl ester (9CI)   (CA INDEX NAME)

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